are input from the image reading terminal system 3 or the reference terminal system 4. The

terminal system 3 or 4 transfers transfer information of the image data S0 and information

regarding the name of the user of the terminal system 3 or 4 to the image server 2 via the

network 6 or 7 respectively (step S2). Having received the information, the image server 2 refers

to a name list registered in a database of the image server, based on the information regarding the

user name (step S3), and judges whether or not the user is a radiologist to use the image reading

terminal system 3 (step S4). If the user is a radiologist, the image server specifies data at a

highest level, that is, reversibly compressed data at a highest resolution and having a highest bit

resolution, and transfers the data at the highest level to one of the terminals 3A or 3B which is

desired by the user (step S5) to finish the processing.

IN THE CLAIMS:

Please cancel claims 1-9 without prejudice or disclaimer.

Please add the following new claims:

10.   (New) An image data transmission system comprising:

an image server storing image data;

a terminal coupled to the image server;

an information obtaining module, configured to obtain at least one of content information

regarding image data to be transmitted and network transfer rate data; and

a data transfer module configured to transfer to the terminal said image data at a level of resolution and density based on said at least one of content information regarding image data to be transmitted and network transfer rate data.

11.   (New) The system of claim 10, wherein said content information regarding image data comprises the complexity of the image, such that image data at a higher resolution and density are transferred in accordance with an increased complexity of the image.

12.   (New) The system of claim 10, wherein said content information regarding image data comprises the object depicted by the image data, such that image data depicting certain pre-determined objects are transferred at a higher resolution and density.

13.   (New) The system according to claim 11, wherein image data are stored at a high level of resolution and density and if the system determines based on at least one of said content information regarding image data to be transmitted and network transfer rate data that image data at a lower level of resolution and density are to be transferred, then image data are converted prior to transfer to the terminal to image data at lower level of resolution and density, wherein image data at a high level of resolution and density are reversibly compressed and image data at a low level of resolution and density are irreversibly compressed.

14.   (New) The system according to claim 12, wherein image data are stored at a high level of resolution and density and if the system determines based on at least one of said content information regarding image data to be transmitted and network transfer rate data that image data at a lower level of resolution and density are to be transferred, then image data are converted prior to transfer to the terminal to image data at lower level of resolution and density, wherein image data at a high level of resolution and density are reversibly compressed and image data at a low level of resolution and density are irreversibly compressed.